

Pierre-Louis Taberna

List of Publications by Year in descending order

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31
papers

9,044
citations

394286

19
h-index

526166

27
g-index

33
all docs

33
docs citations

33
times ranked

10352
citing authors

#	ARTICLE	IF	CITATIONS
1	Molten Salt-Protected Synthesis (MS ³) of MXenes in Air. Energy and Environmental Materials, 2023, 6, .	7.3	25
2	Exfoliation and Delamination of Ti ₃ C ₂ T _x MXene Prepared via Molten Salt Etching Route. ACS Nano, 2022, 16, 111-118.	7.3	107
3	The effects of local graphitization on the charging mechanisms of microporous carbon supercapacitor electrodes. Electrochemistry Communications, 2022, 137, 107258.	2.3	10
4	Operando Tracking of Ionic and Electronic Percolation in Electrodes for Energy Storage Application Using AC-in Plane Impedance. ECS Meeting Abstracts, 2022, MA2022-01, 108-108.	0.0	0
5	Electrochemical Characterization of Single Layer Graphene/Electrolyte Interface: Effect of Solvent on the Interfacial Capacitance. Angewandte Chemie - International Edition, 2021, 60, 13317-13322.	7.2	31
6	Electrochemical Characterization of Single Layer Graphene/Electrolyte Interface: Effect of Solvent on the Interfacial Capacitance. Angewandte Chemie, 2021, 133, 13429-13434.	1.6	5
7	Thumbnail: Electrochemical Characterization of Single Layer Graphene/Electrolyte Interface: Effect of Solvent on the Interfacial Capacitance (Angew. Chem. 24/2021). Angewandte Chemie, 2021, 133, 13800-13800.	1.6	1
8	pH Micro-Sensor from IrOx SECM Microelectrode for Local pH Measurement While Chromium Electrodeposition. ECS Meeting Abstracts, 2021, MA2021-01, 1481-1481.	0.0	0
9	Alkali Ions Pre-Intercalated Layered MnO ₂ Nanosheet for Zinc-Ions Storage. Advanced Energy Materials, 2021, 11, 2101287.	10.2	120
10	An Artificial Interface for High Cell Voltage Aqueous-Based Electrochemical Capacitors. Journal of the Electrochemical Society, 2021, 168, 070520.	1.3	3
11	Li-ion storage properties of two-dimensional titanium-carbide synthesized via fast one-pot method in air atmosphere. Nature Communications, 2021, 12, 5085.	5.8	88
12	pH Micro-Sensor from IrOx SECM Microelectrode for Local pH Measurement While Chromium Electrodeposition. ECS Meeting Abstracts, 2021, MA2021-02, 1584-1584.	0.0	1
13	Future Directions for Electrochemical Capacitors. ACS Energy Letters, 2021, 6, 4311-4316.	8.8	53
14	Non - electrochemical Na ⁺ deintercalation from O3 NaVO2. Materials Research Bulletin, 2020, 121, 110586.	2.7	4
15	A general Lewis acidic etching route for preparing MXenes with enhanced electrochemical performance in non-aqueous electrolyte. Nature Materials, 2020, 19, 894-899.	13.3	870
16	Nanoporous carbon for electrochemical capacitive energy storage. Chemical Society Reviews, 2020, 49, 3005-3039.	18.7	391
17	Wafer-Scale Fabrication of Solid-State on-Chip Microsupercapacitors Based on Silicon-Processing Techniques. ECS Meeting Abstracts, 2020, MA2020-01, 4-4.	0.0	0
18	Mo Thio and Oxo-Thio Molecular Complexes As Water-Soluble Self-Healing Catalysts for Photocatalytic Hydrogen Evolution on 2D Materials. ECS Meeting Abstracts, 2020, MA2020-02, 3060-3060.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Charge Storage Mechanisms of Single-Layer Graphene in Ionic Liquid. <i>Journal of the American Chemical Society</i> , 2019, 141, 16559-16563.	6.6	67
20	3D rGO aerogel with superior electrochemical performance for K ⁺ Ion battery. <i>Energy Storage Materials</i> , 2019, 19, 306-313.	9.5	70
21	Investigation of ion transport in chemically tuned pillared graphene materials through electrochemical impedance analysis. <i>Electrochimica Acta</i> , 2019, 296, 882-890.	2.6	27
22	Ultrafast Synthesis of Calcium Vanadate for Superior Aqueous Calcium-Ion Battery. <i>Research</i> , 2019, 2019, 6585686.	2.8	14
23	Proton Ion Exchange Reaction in Li ₃ IrO ₄ : A Way to New H ₃ IrO ₄ Phases Electrochemically Active in Both Aqueous and Nonaqueous Electrolytes. <i>Advanced Energy Materials</i> , 2018, 8, 1702855.	10.2	29
24	Tracking ionic fluxes in porous carbon electrodes from aqueous electrolyte mixture at various pH. <i>Electrochemistry Communications</i> , 2018, 93, 119-122.	2.3	22
25	Hard carbons derived from green phenolic resins for Na-ion batteries. <i>Carbon</i> , 2018, 139, 248-257.	5.4	131
26	Ultra-high-rate pseudocapacitive energy storage in two-dimensional transition metal carbides. <i>Nature Energy</i> , 2017, 2, .	19.8	1,626
27	Capacitance of two-dimensional titanium carbide (MXene) and MXene/carbon nanotube composites in organic electrolytes. <i>Journal of Power Sources</i> , 2016, 306, 510-515.	4.0	245
28	Two-Dimensional Vanadium Carbide (MXene) as Positive Electrode for Sodium-Ion Capacitors. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2305-2309.	2.1	358
29	Electrochemical Quartz Crystal Microbalance (EQCM) Study of Ion Dynamics in Nanoporous Carbons. <i>Journal of the American Chemical Society</i> , 2014, 136, 8722-8728.	6.6	248
30	High-rate electrochemical energy storage through Li ⁺ intercalation pseudocapacitance. <i>Nature Materials</i> , 2013, 12, 518-522.	13.3	4,021
31	Long-term cycling behavior of asymmetric activated carbon/MnO ₂ aqueous electrochemical supercapacitor. <i>Journal of Power Sources</i> , 2007, 173, 633-641.	4.0	453